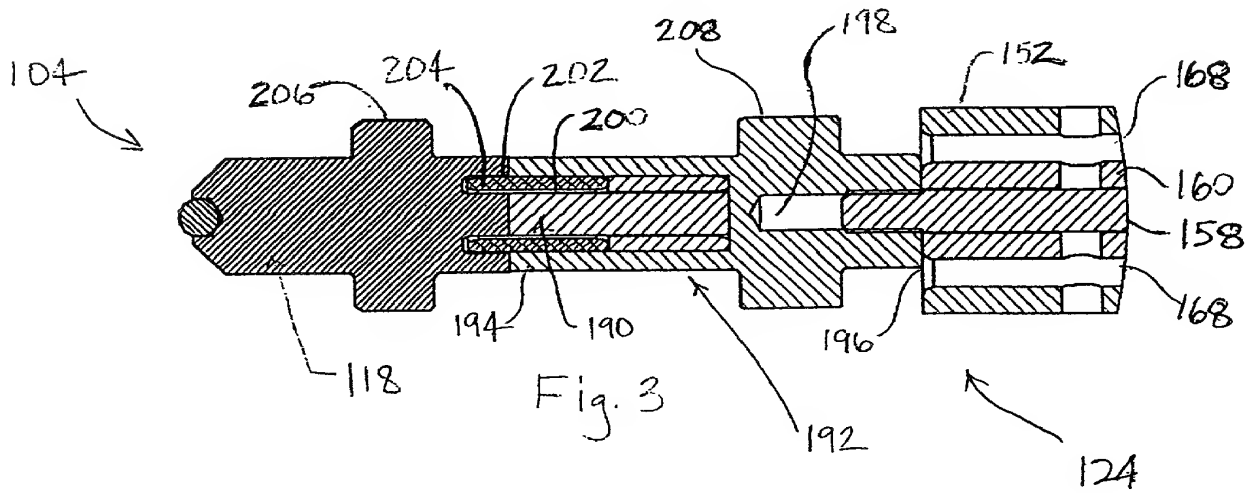
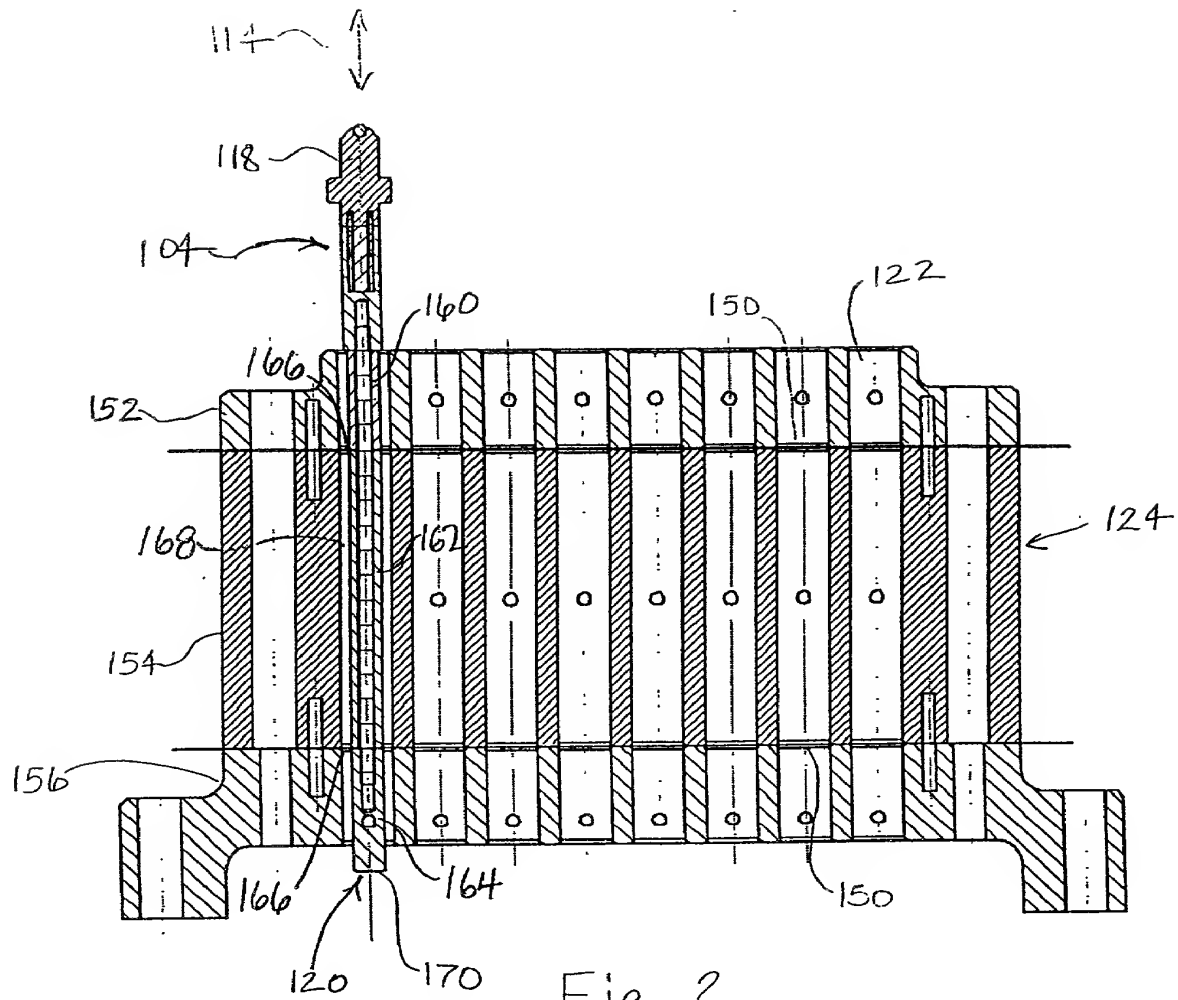


Fig. 1



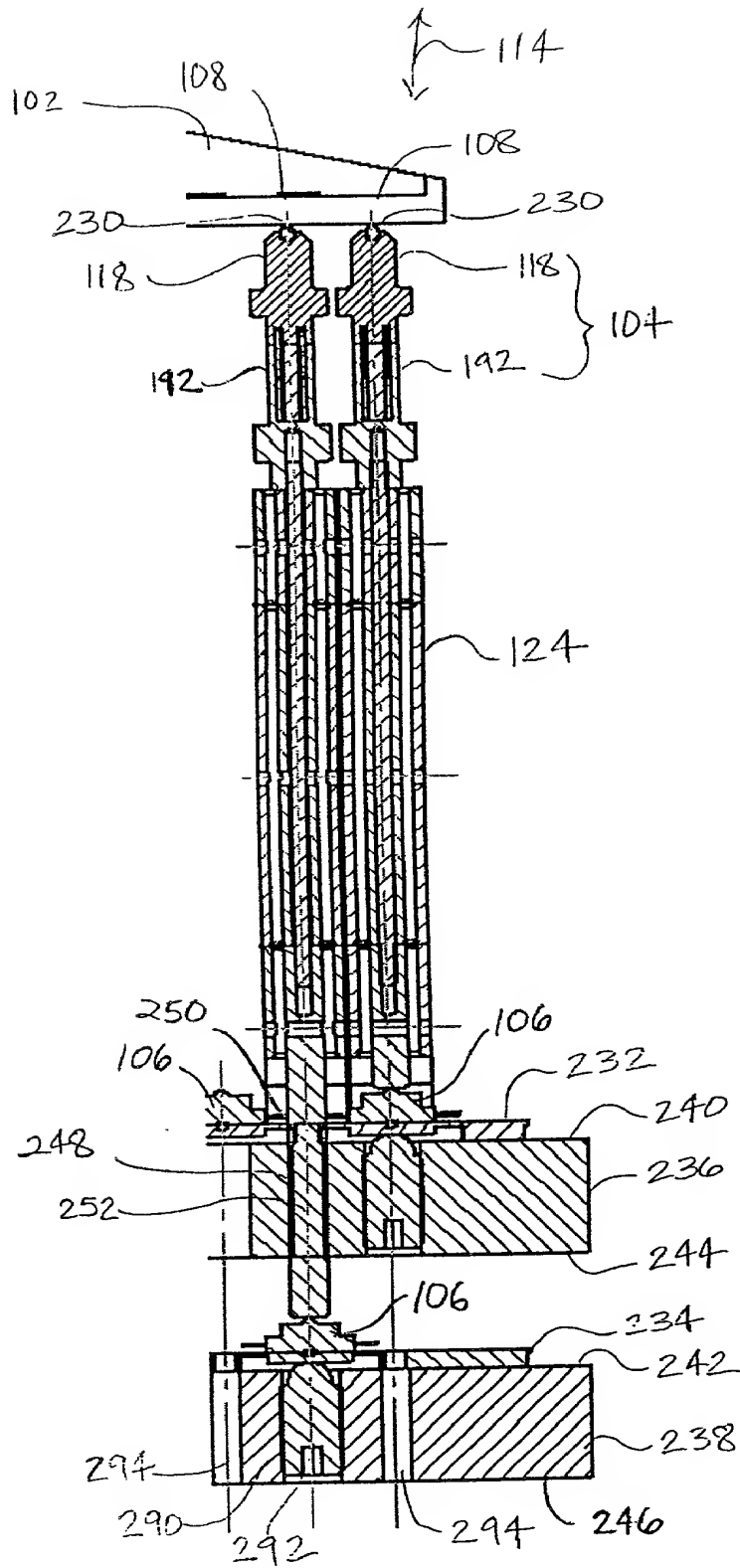


Fig. 4

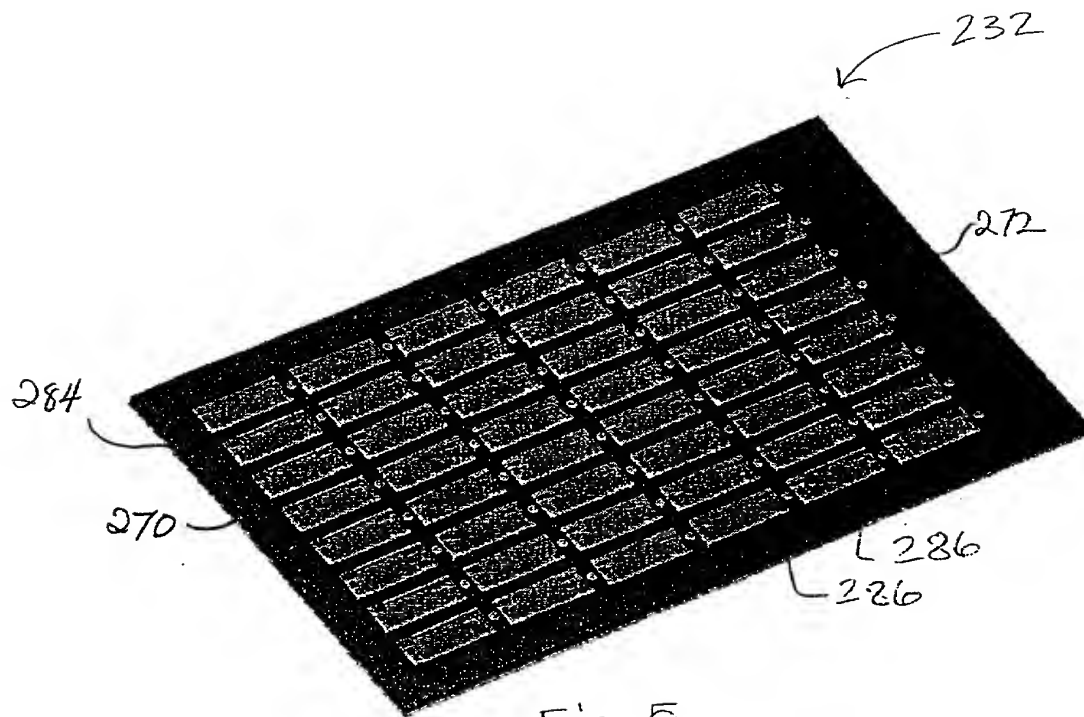


Fig. 5

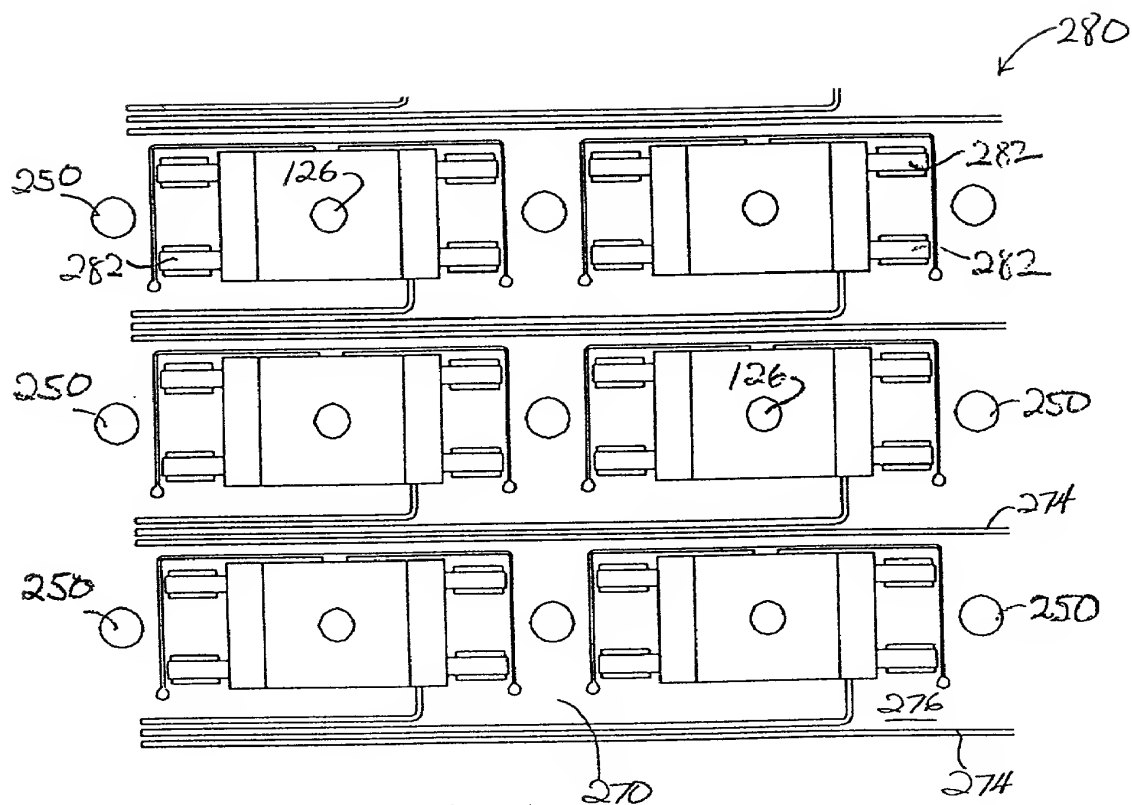


Fig. 6

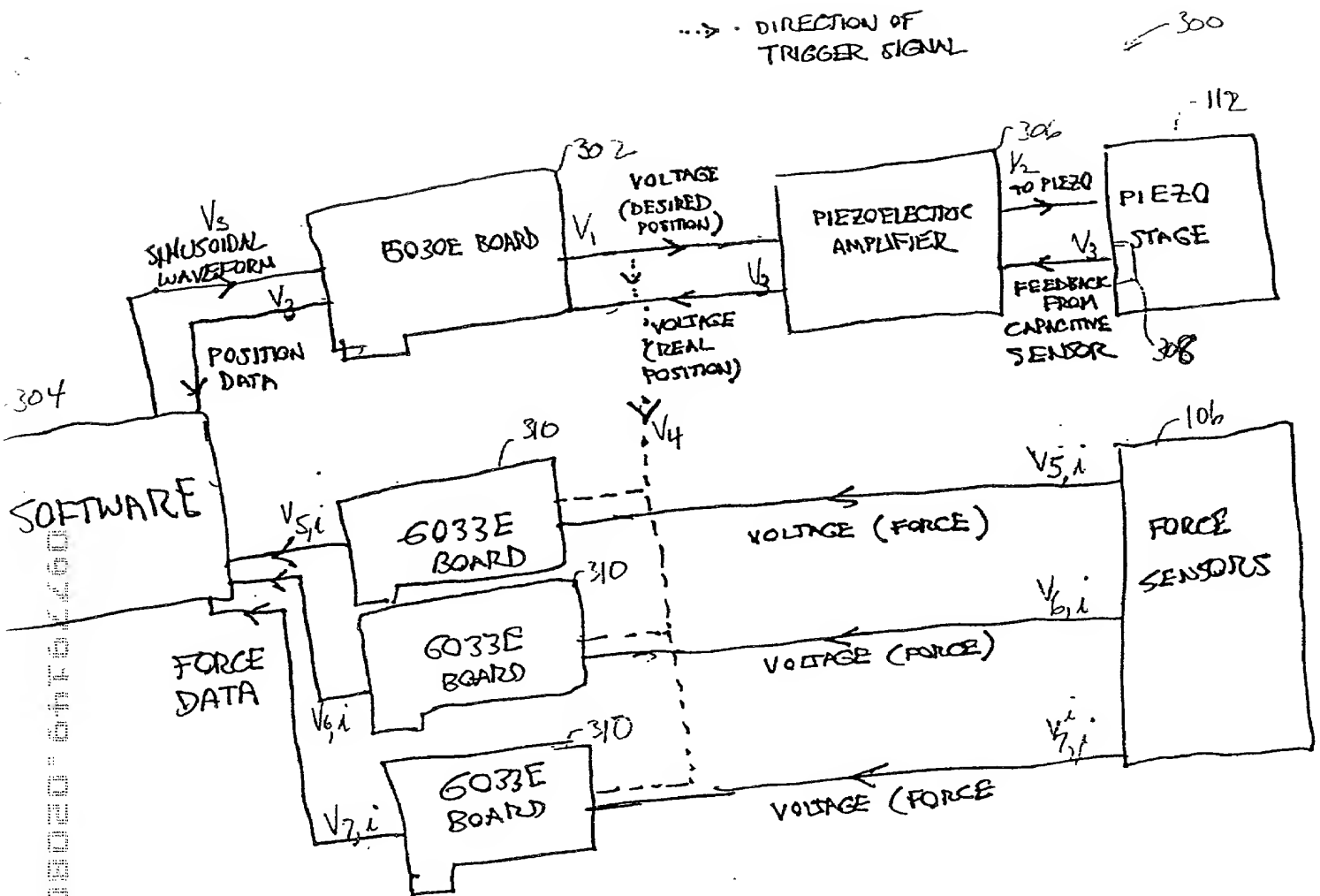


Fig. 7

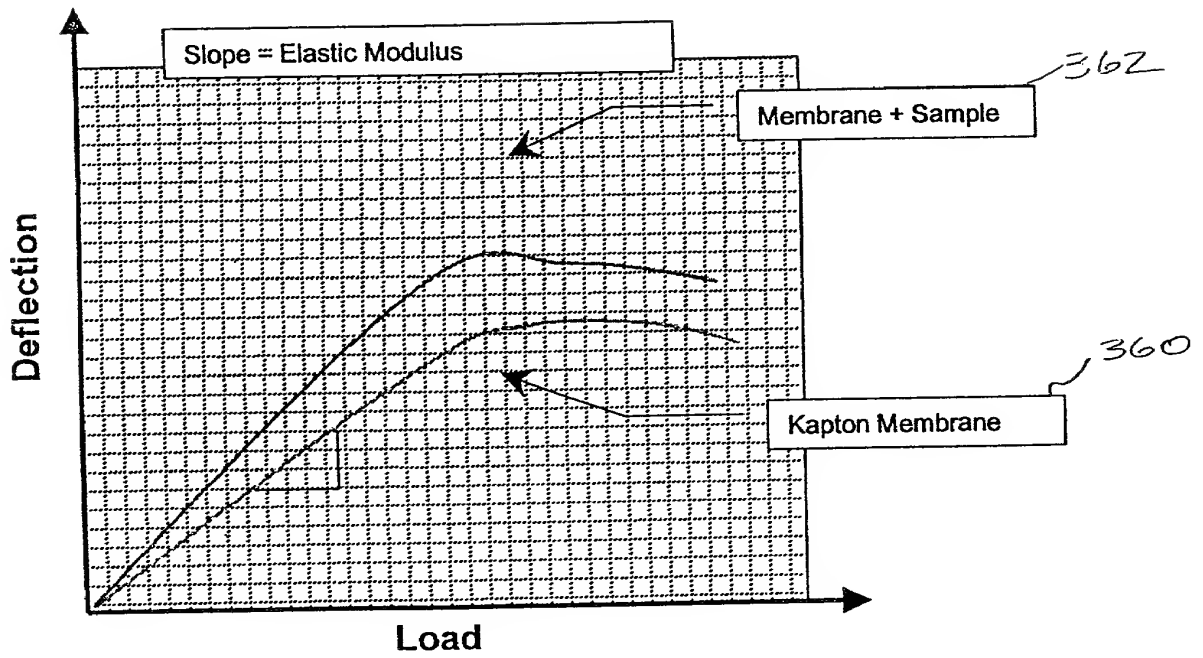
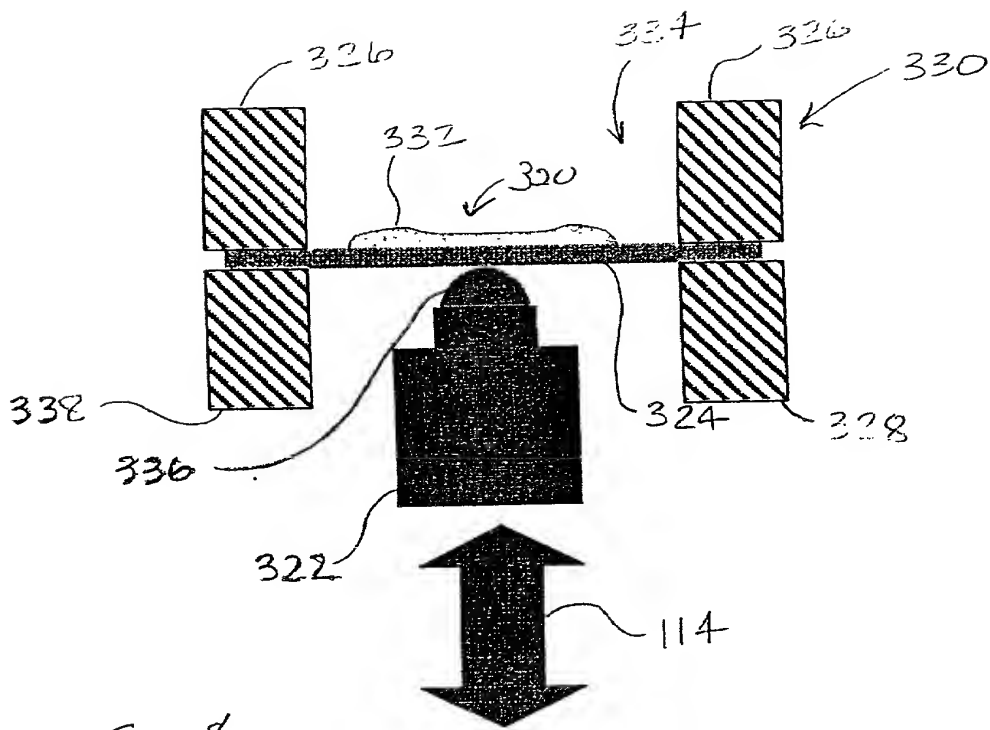


Fig. 9

FIG. 10

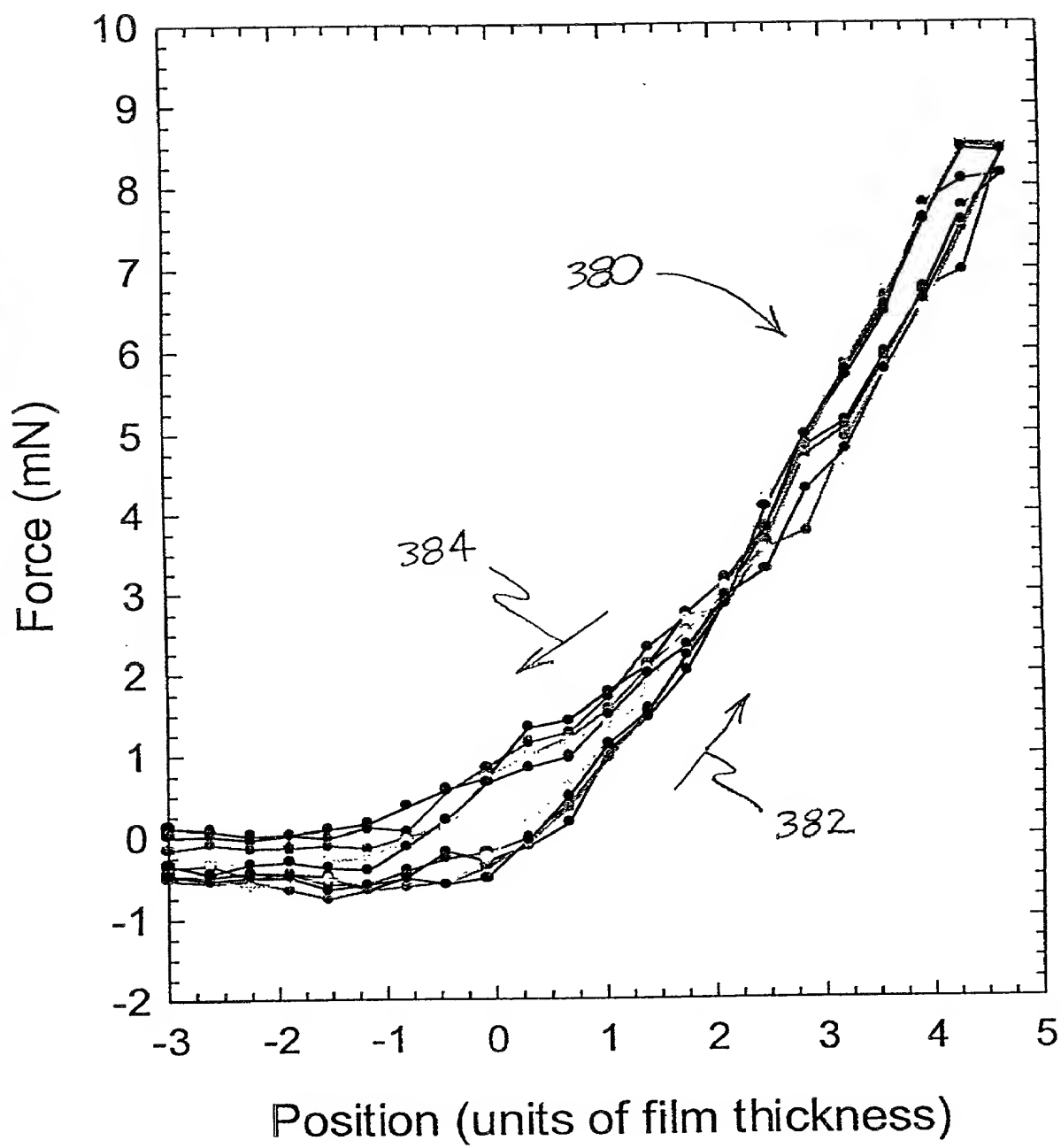


Fig. 10

Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled "Time (periods)" ranging from 0 to 10. The top plot shows the intensity of the 400 Bragg reflection, with the y-axis ranging from 0 to 30. The intensity oscillates between approximately 15 and 26. A label "400" with a pointer indicates the peak intensity. The sample composition is noted as "50 μm Kapton and 30 μm polystyrene". The bottom plot shows the intensity of the 402 Bragg reflection, with the y-axis ranging from 0 to 5. The intensity oscillates between approximately 3 and 5. A label "402" with a pointer indicates the peak intensity. The sample composition is noted as "50 μm Kapton".

Fig. 11

Figure 1 is a line graph showing Stiffness (N/m) on the Y-axis versus Coarse stage position (μm) on the X-axis. The Y-axis ranges from 0 to 600 N/m, and the X-axis ranges from -40 to 60 μm . The stiffness is relatively constant around 400 N/m from -40 μm to 30 μm , then drops sharply to near zero by 50 μm . Handwritten labels 416, 414, 406, 412, 410, and 408 are placed along the curve.

Fig. 12

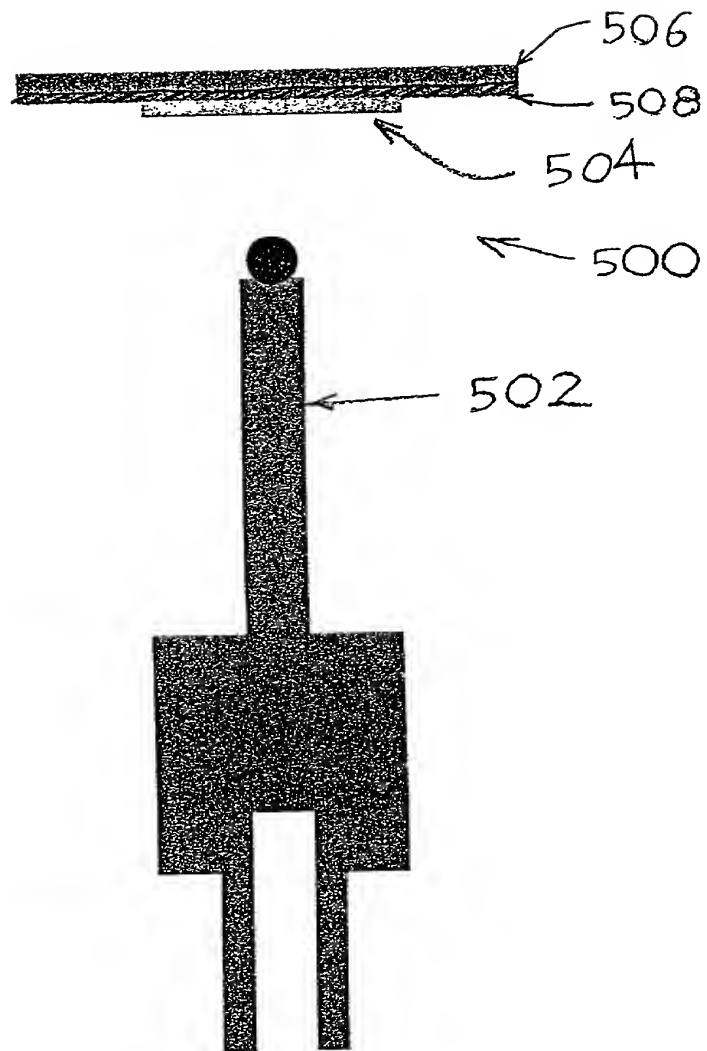


FIG. 15

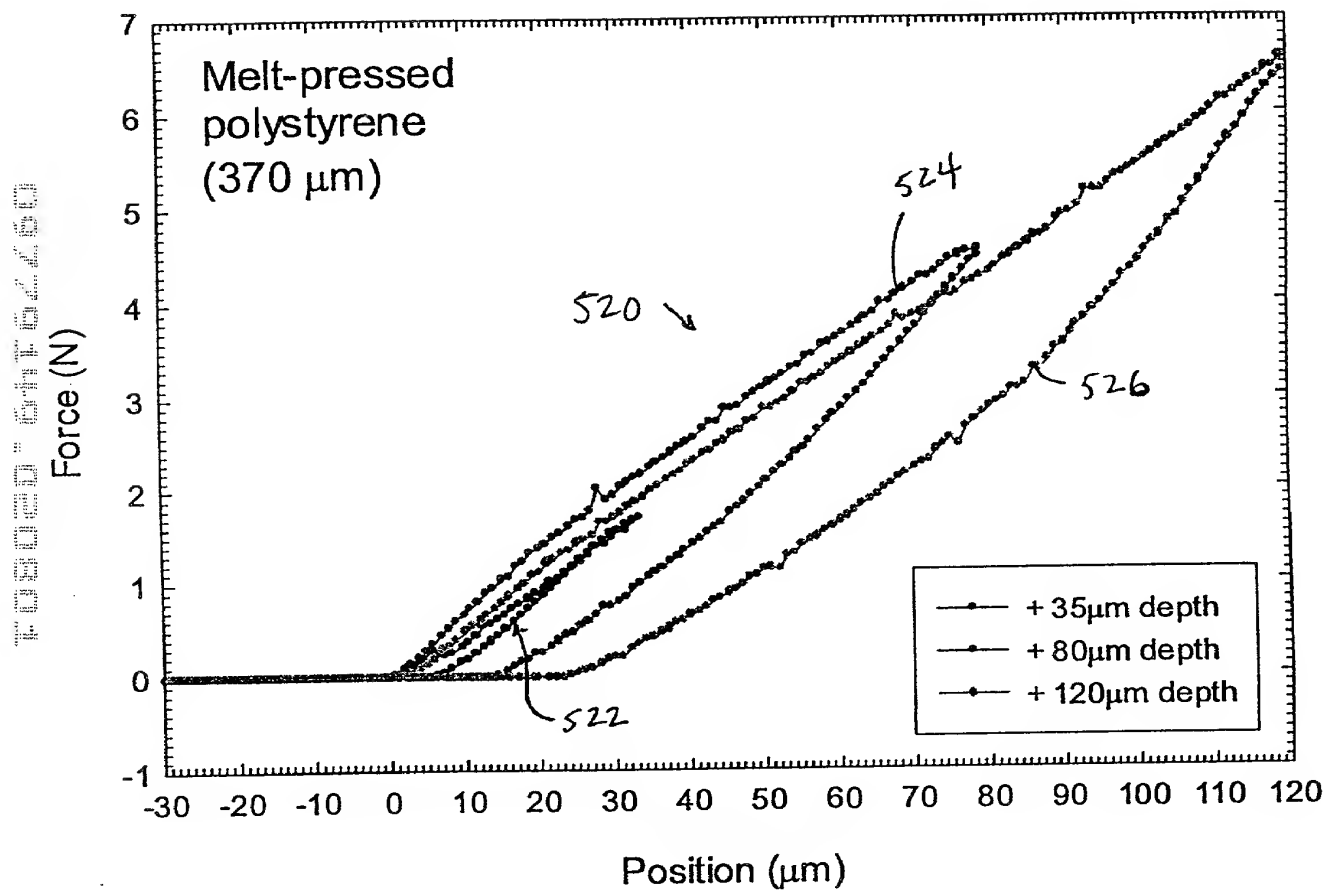


Fig. 16

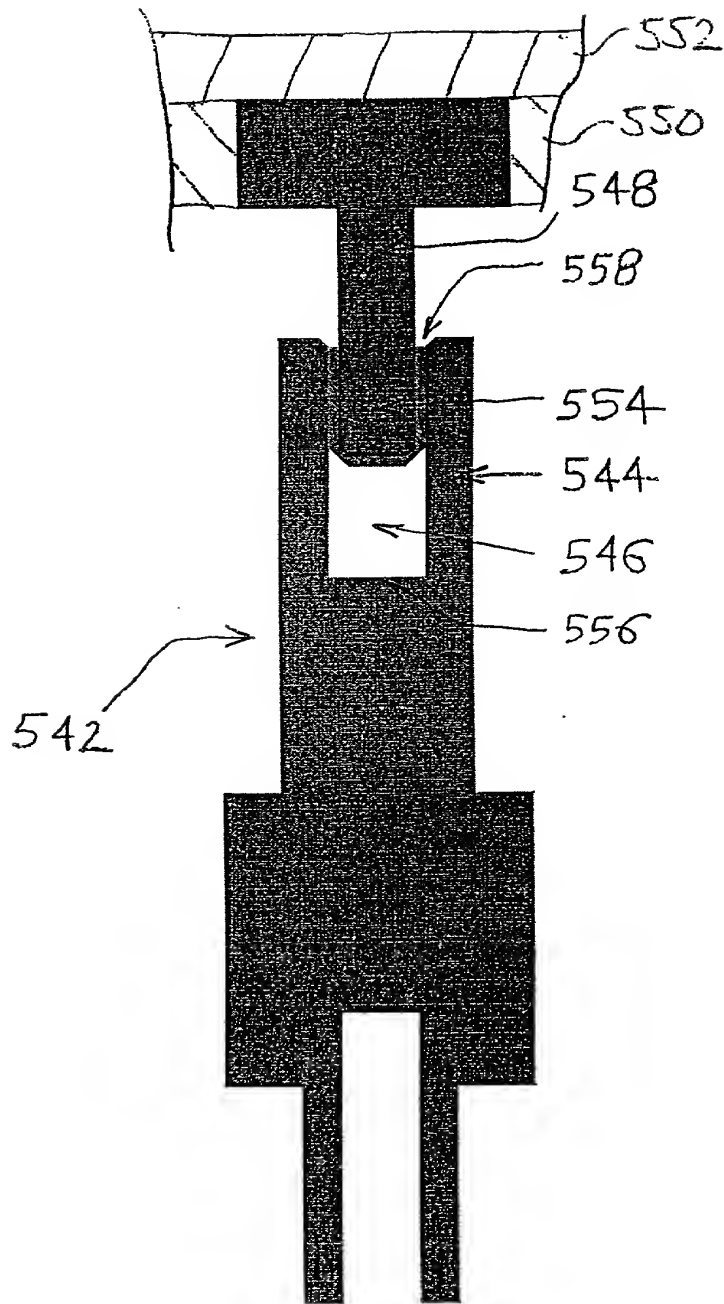


Fig. 17

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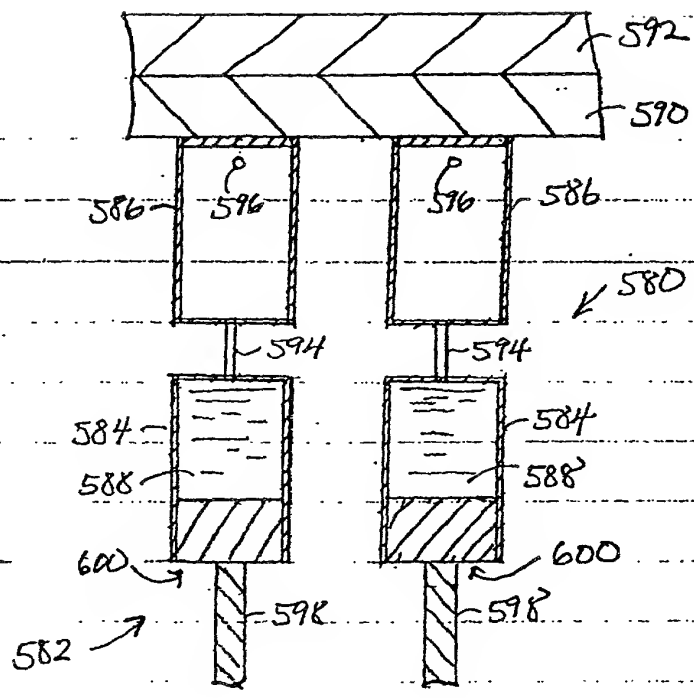


Fig. 1B

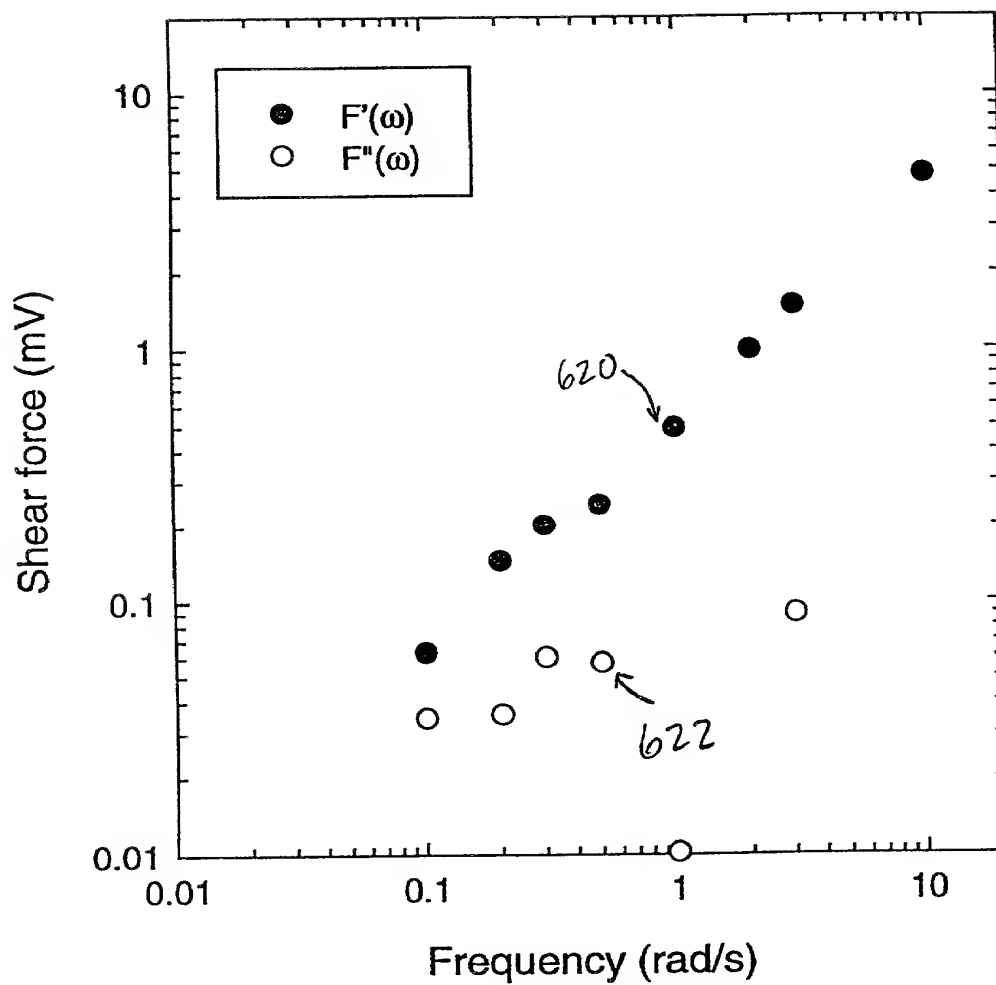


Fig. 19

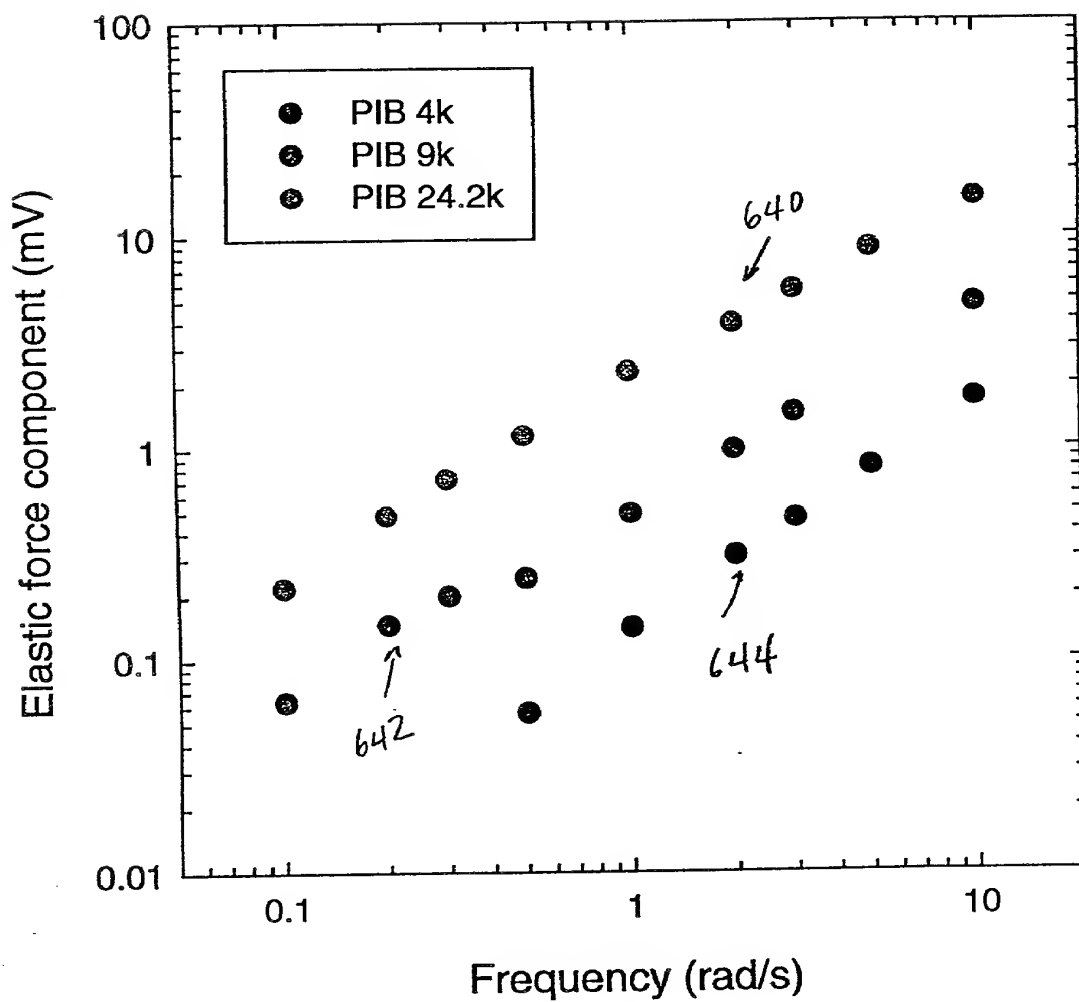


Fig. 20

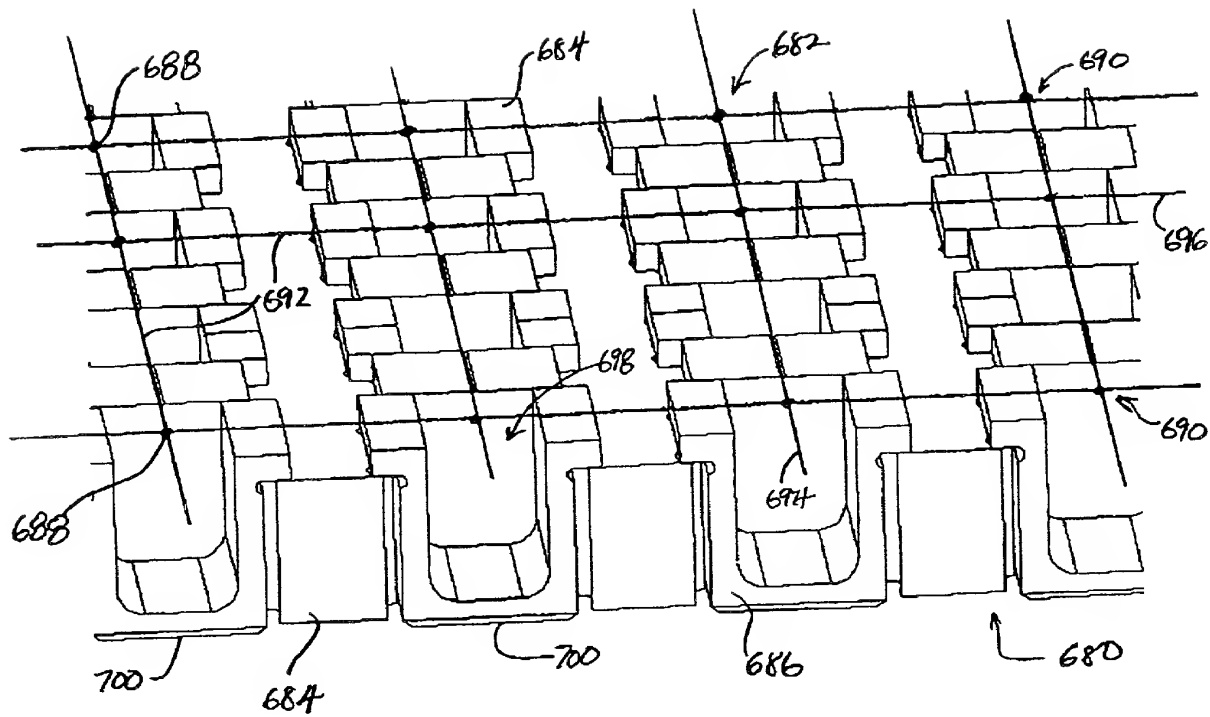


Fig. 21

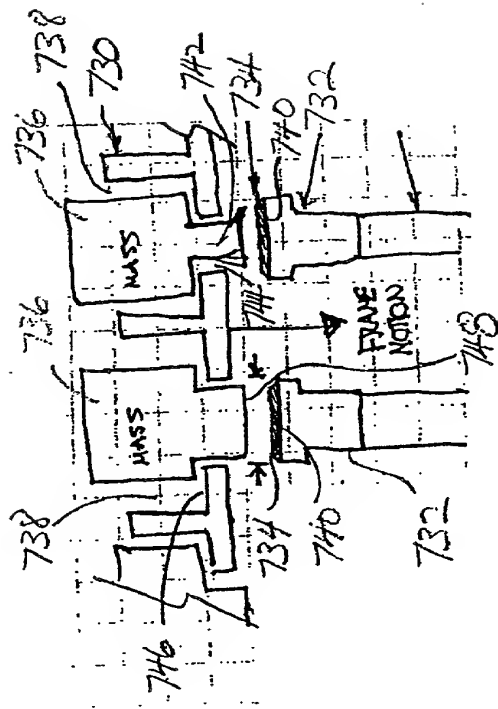


Fig. 22

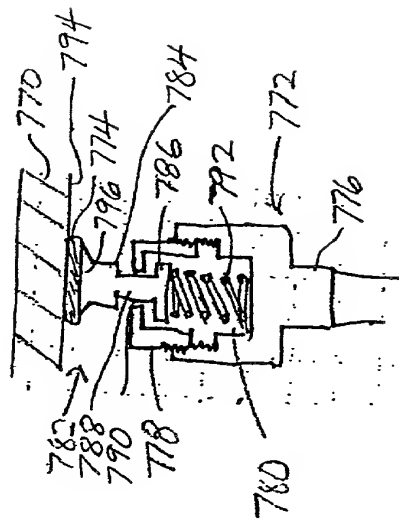


Fig. 23

Typical probe tack test data

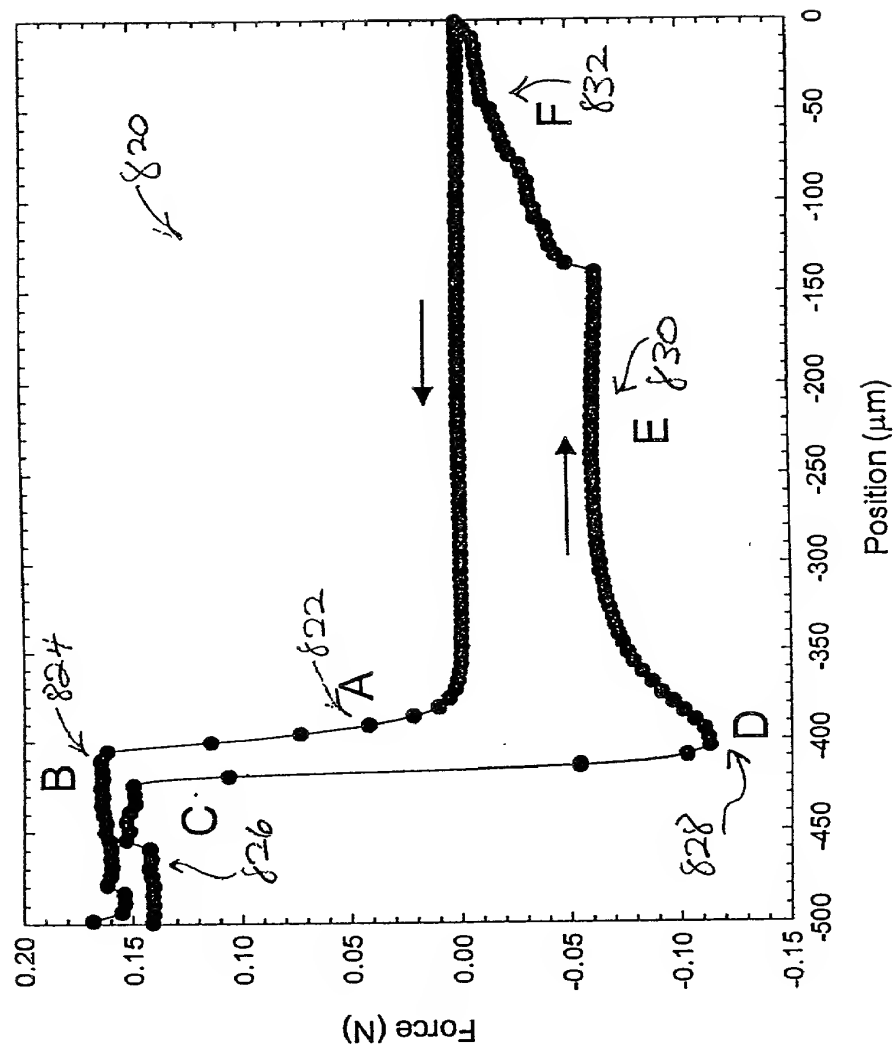


Fig. 24

Typical solid modulus data

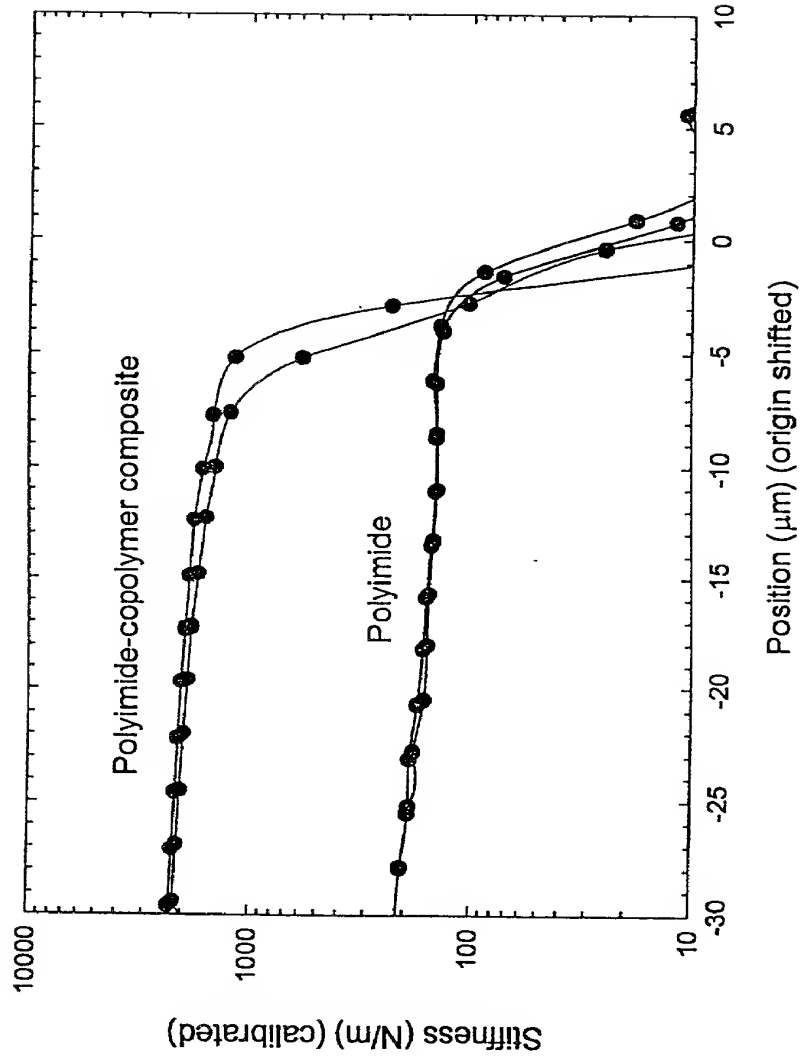


Fig 25